

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-59. (Canceled)

60. (Currently Amended) An apparatus, comprising:

a force feedback member including a jointed hinge member having at least a first portion and a second portion, at least one of the first portion and the second portion configured to output a force associated with a position signal;

a first sensor configured to output a the position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output force feedback based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member.

61-62. (Canceled)

63. (Currently Amended) ~~The~~ An apparatus ~~of claim 62, further~~ comprising:

a force feedback member including a force applying platform, the force applying platform configured to output a force associated with a force feedback;

a first sensor configured to output a position signal, the position signal configured to associate with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively configured to output the force feedback in response to the position signal;

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member; and

a force feedback interface, the force applying platform being biased away from the force feedback interface by a biasing member.

64. (Currently Amended) ~~The~~ An apparatus of claim 62, ~~the second sensor further comprising:~~

a force feedback member including a force applying platform, the force applying platform being configured to output a force associated with a force feedback;

a first sensor configured to output a position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output the force feedback based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member, the second sensor including a force sensing platform, the force sensing platform being configured to determine a magnitude of the force applied by the force applying platform.

65. (Currently Amended) The apparatus of claim ~~[[60]]~~64, wherein the force feedback is applied at least in part by a fluid.

66. (Currently Amended) The apparatus of claim ~~[[60]]~~64, wherein:

the force feedback is a simulated texture; and

~~the force feedback member further includes a force applying platform,~~ the force applying platform including at least one texture-simulating element configured to simulate texture associated with the force feedback.

67. (Currently Amended) ~~The~~ An apparatus, comprising: of claim 66, wherein said texture simulating element is a pin

a force feedback member including a force applying platform, the force applying platform including at least one pin configured to simulate texture associated with a force feedback;

a first sensor configured to output a position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output a simulated texture based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member.

68. (Previously Presented) The apparatus of claim 67, wherein the pin is configured to selectively extend and retract from a force feedback application portion of the force applying platform.

69. (Canceled)

70. (Currently Amended) The apparatus of claim ~~[[60]]~~64, wherein the force feedback member further includes:

an elongated element; and

at least one guide element coupled to the elongated element, the elongated element being configured to output force feedback based on a force feedback signal.

71. (Previously Presented) The apparatus of claim 70, wherein the elongated element is a tendon.

72. (Previously Presented) The apparatus of claim 70, wherein the elongated element is a tubular member carrying a fluid.

73. (Currently Amended) A method, comprising:

outputting a position signal associated with a position of a force feedback interface;

receiving a force feedback signal associated with the position signal;

outputting force feedback via the force feedback interface with at least one of a plurality of force feedback members, the outputting the force feedback being based on the force feedback signal; ~~and~~

determining a magnitude of force feedback output at the force feedback interface; and

moving a force applying platform from a first position that is removed from the force feedback interface to a second position that is located at the force feedback interface, force feedback being output in response to the moving.

74. (Previously Presented) The method of claim 73, further comprising:
 outputting a texture feedback via the force feedback interface of at least one of the
 plurality of force feedback members based on the force feedback signal.

75. (Currently Amended) ~~The A method of claim 74, further comprising:~~
outputting a position signal associated with a position of a force feedback interface;
receiving a force feedback signal associated with the position signal;
outputting force feedback via the force feedback interface with at least one of a plurality
of force feedback members, the outputting the force feedback being based on the force feedback
signal;
determining a magnitude of force feedback output at the force feedback interface;
outputting a texture feedback via the force feedback interface of at least one of the
plurality of force feedback members based on the force feedback signal; and
 moving a pin from a first position ~~which~~ that is removed from the force feedback
 interface to a second position disposed adjacent to the force feedback interface.

76-78. (Canceled)